

FIG. 1

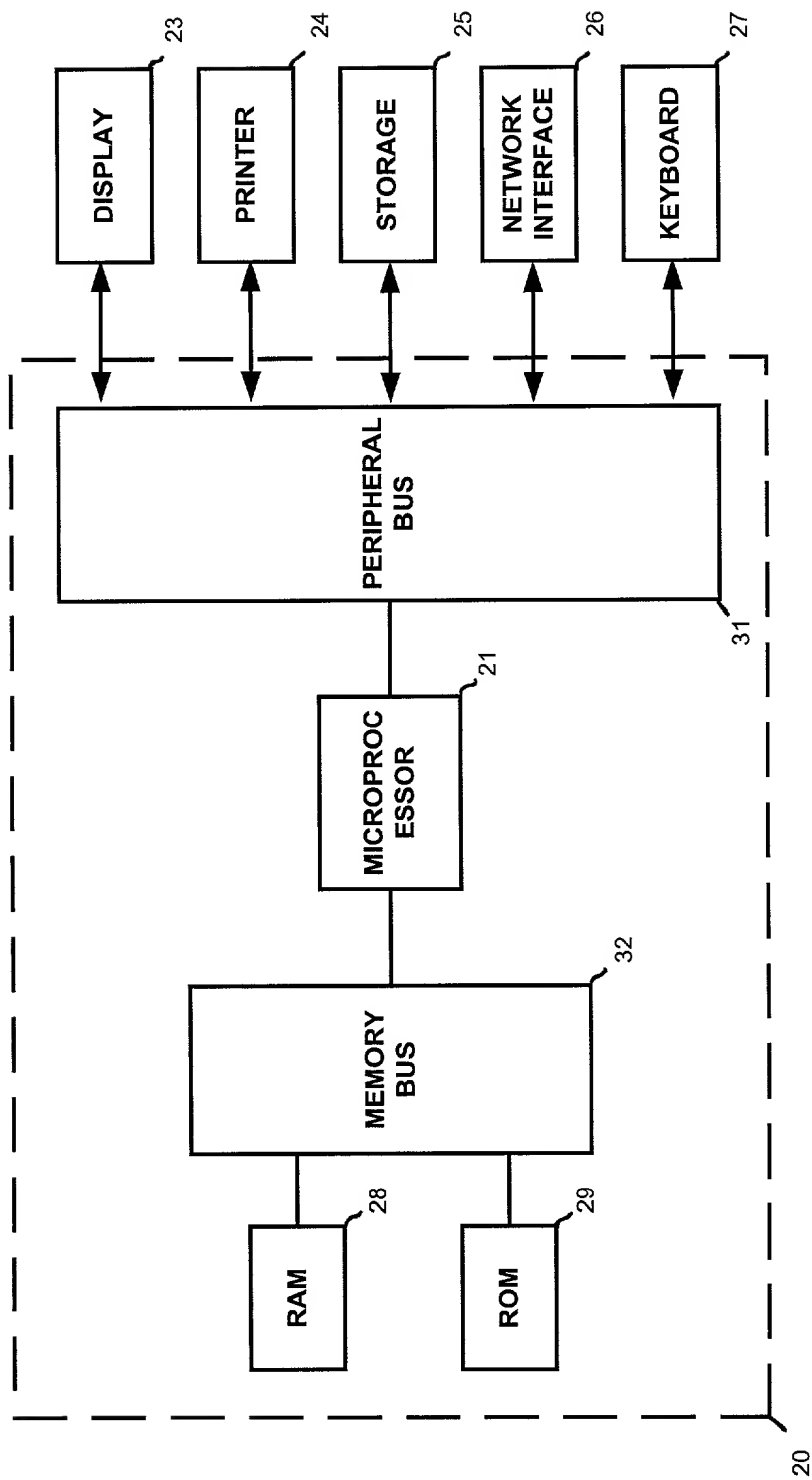


FIG. 2

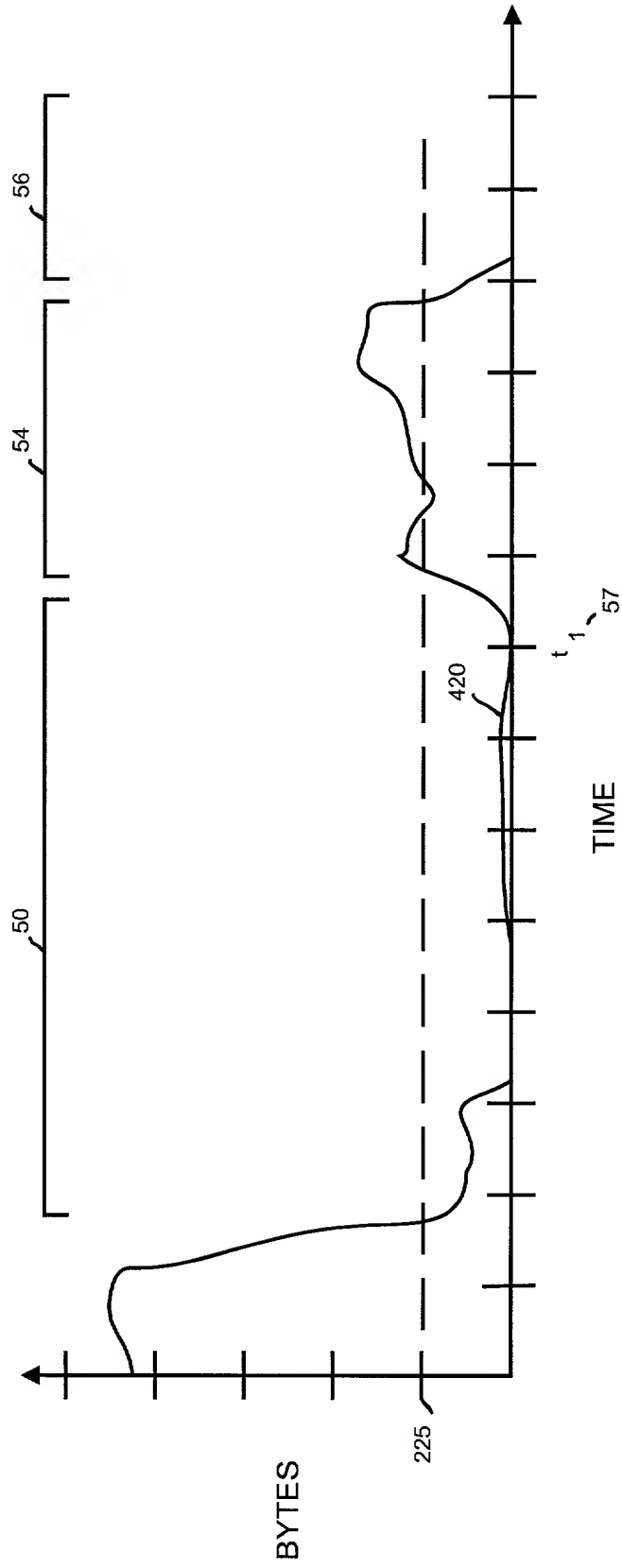


FIG. 3

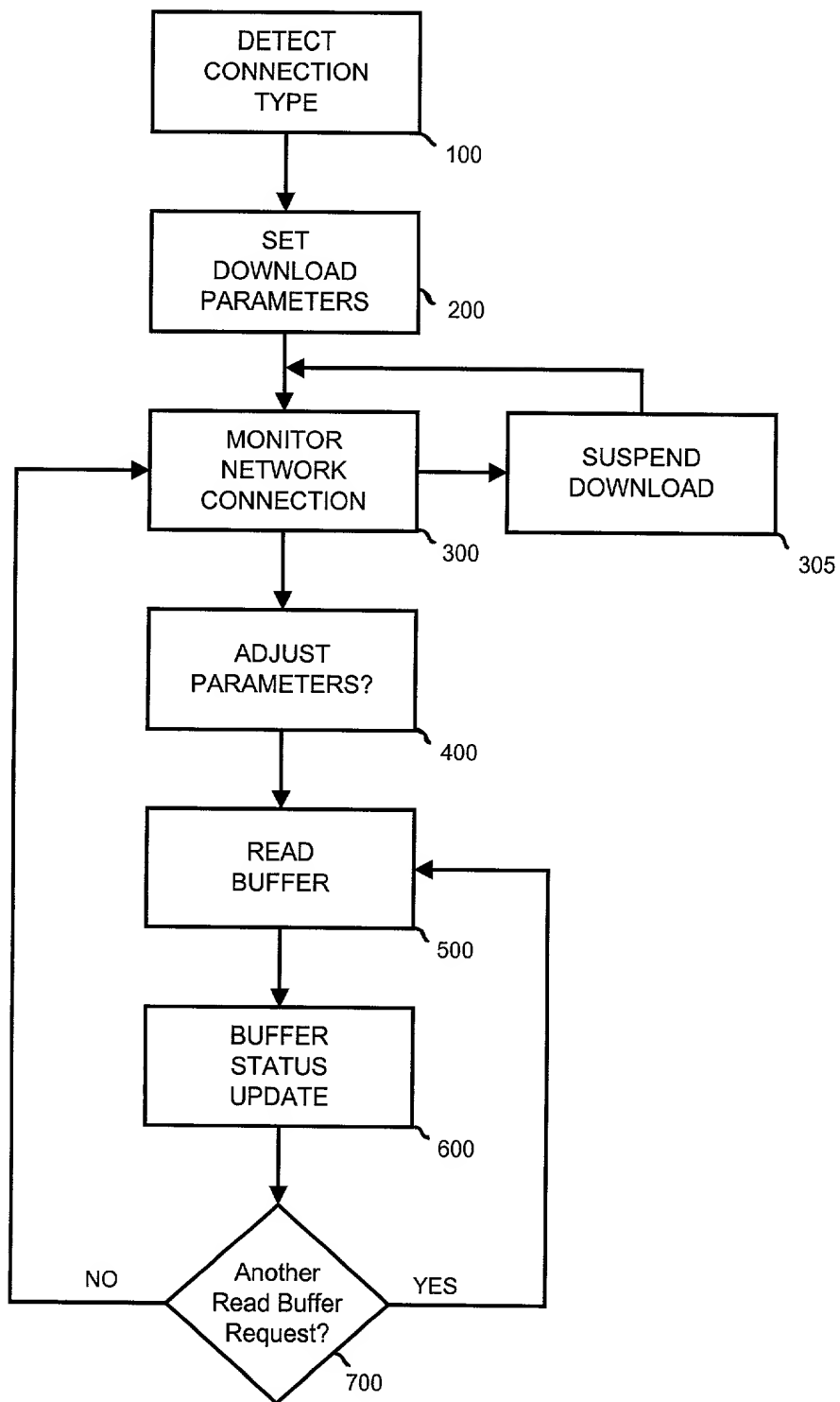


FIG. 4

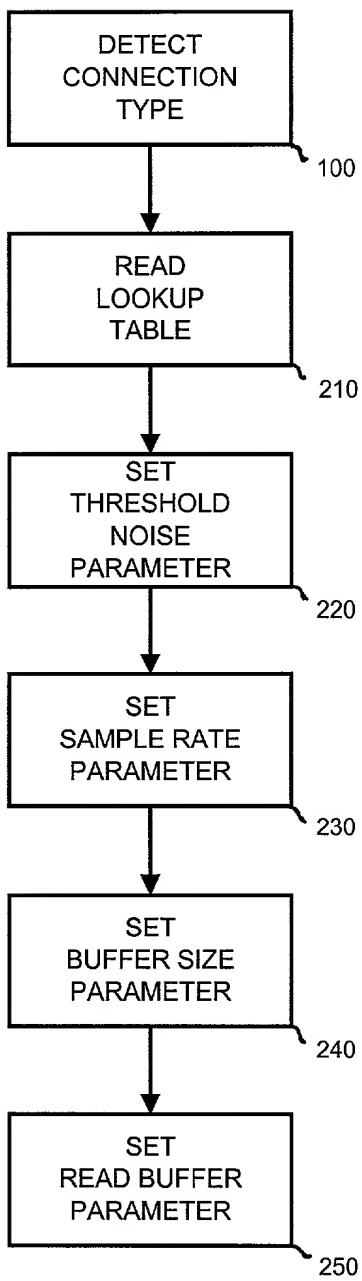


FIG. 5A

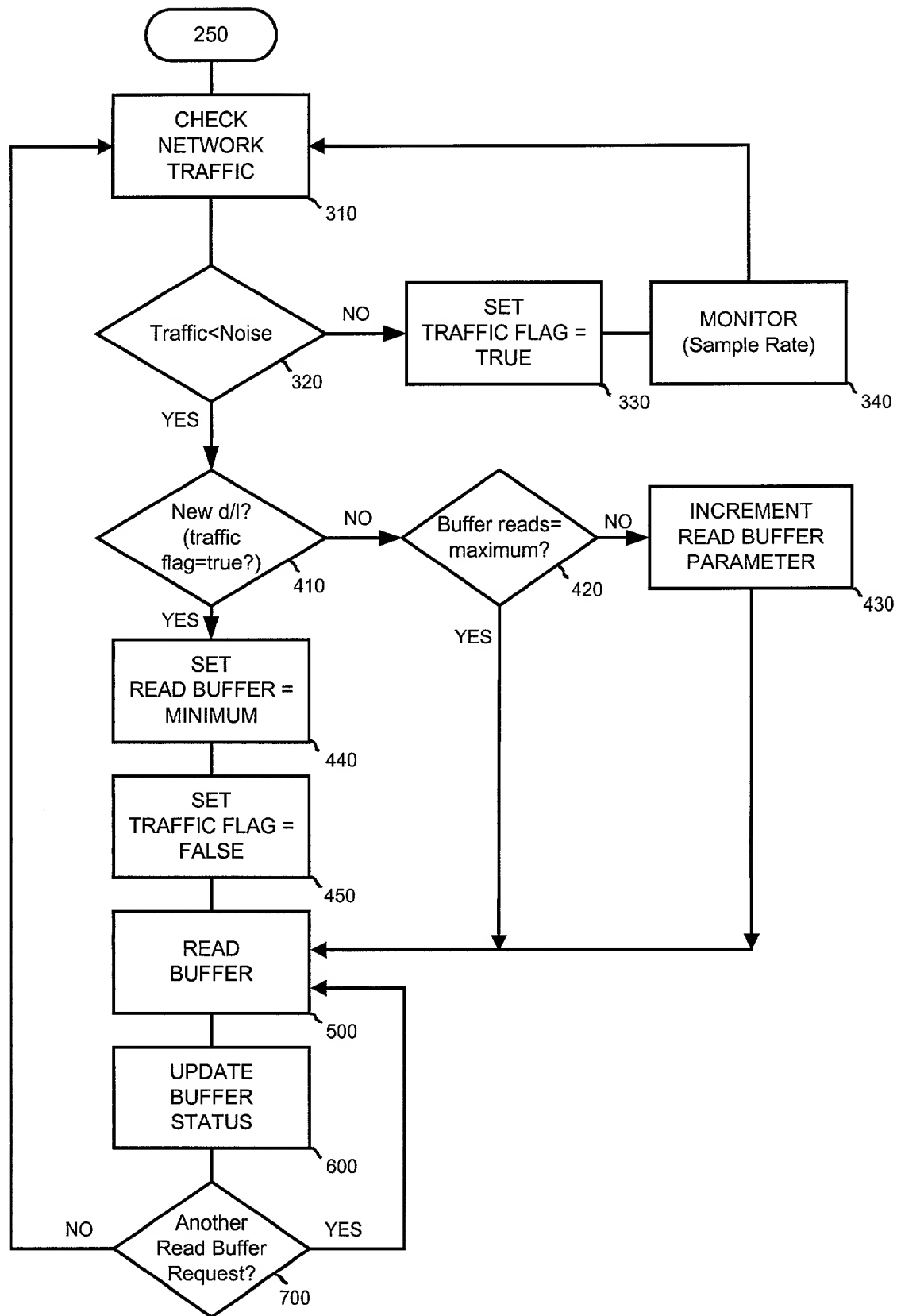


FIG. 5B

NeoPlanet: Adaptive Download Demo

Adaptive Controls: Dialup

☒ Yielding download
☐ Non-Yielding download

LAN Cell Phone Dialup << Less

URL: <http://guest.neoplanet.com/test/smallfile.txt>

Download Now Stop Download

Advanced Controls

Read buffer: 500 bytes

Internet traffic allowed before yielding: 2500 bytes per second

Sampling window: 5 in tenths of a second

Minimum Internet reads between traffic checks: 1

Maximum Internet reads between traffic checks: 5

On finding no traffic, increase checks in increments of: 1

On traffic, yield for a maximum of: 10 seconds during download

FIG. 6

Modem Speed (bytes)	Threshold Level (per second)	Sample Rate (tenths of a second)	Read Buffer Size (bytes)	Minimum Read Buffer	Increment Read Buffer	Maximum Read Buffer
10000000	6000	5	2500	10	500	10
115200	500	5	1000	1	5	1
19200	100	5	900	1	1	1
0 (default)	100	5	900	1	1	1

FIG. 7

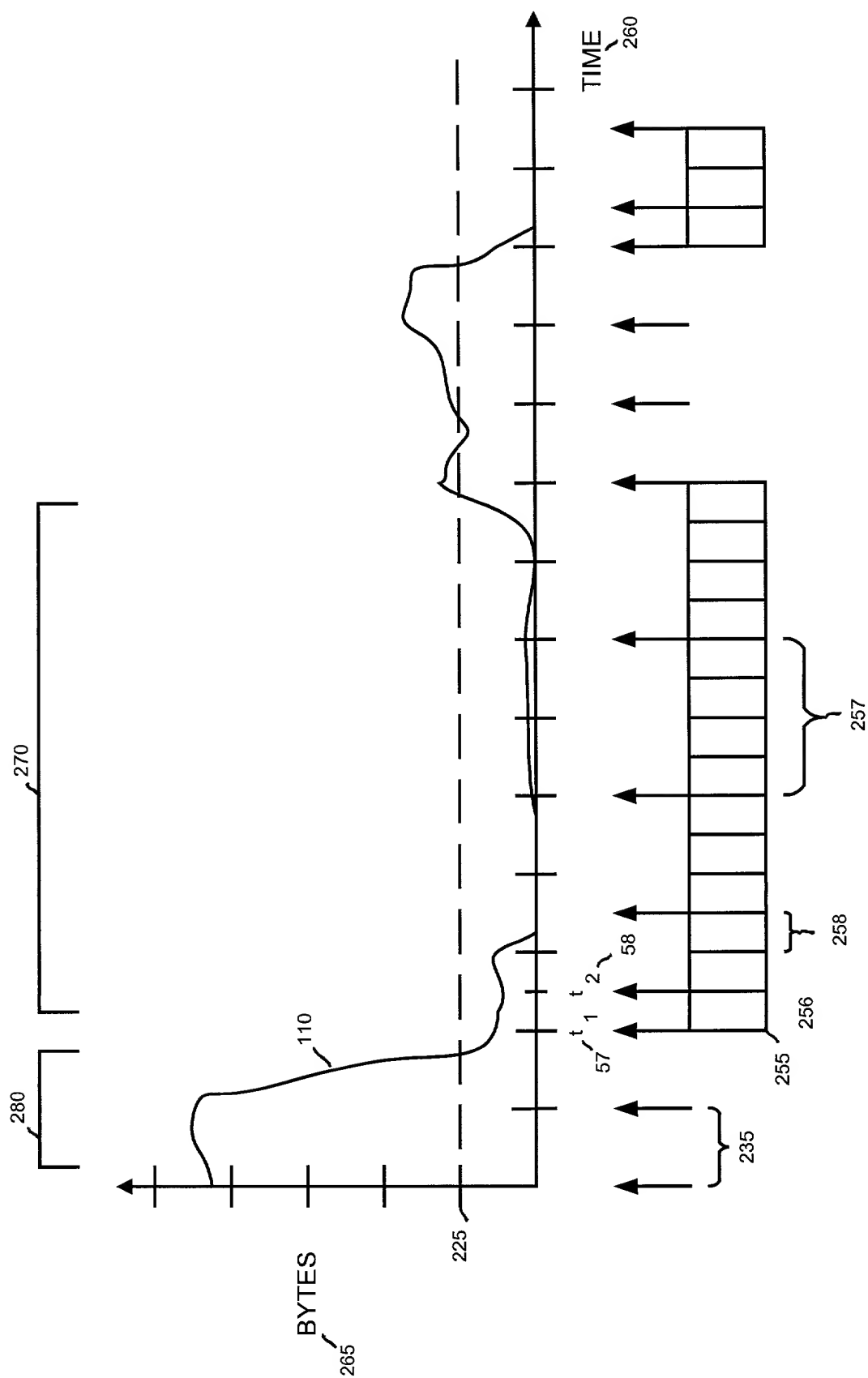


FIG. 8

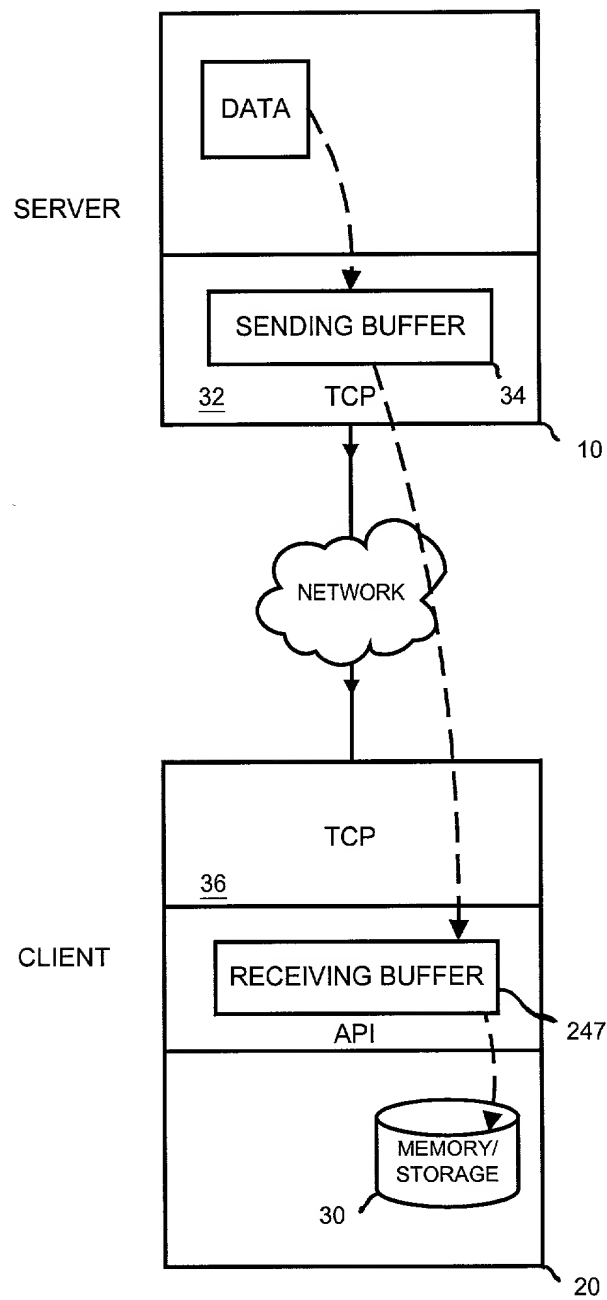


FIG. 9

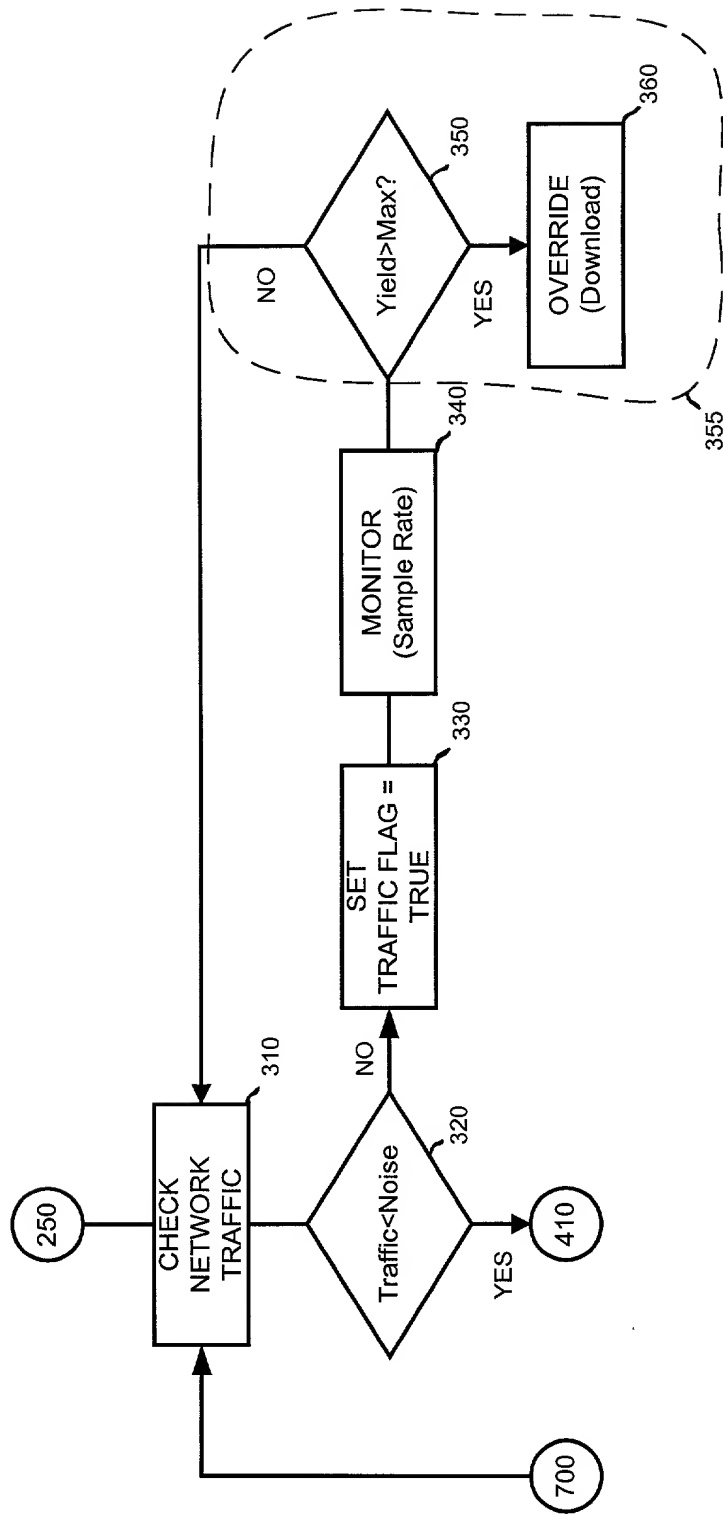


FIG. 10

Modem Speed (bytes)	Yield Maximum (seconds)	Sample Rate (tenths of a second)	Sample Rate Increment (seconds)	Ceiling on Sample Rate (seconds)
10000000		5	500	10
115200	10	5	5	1
19200		5	1	1
0 (default)		5	1	1

FIG. 11

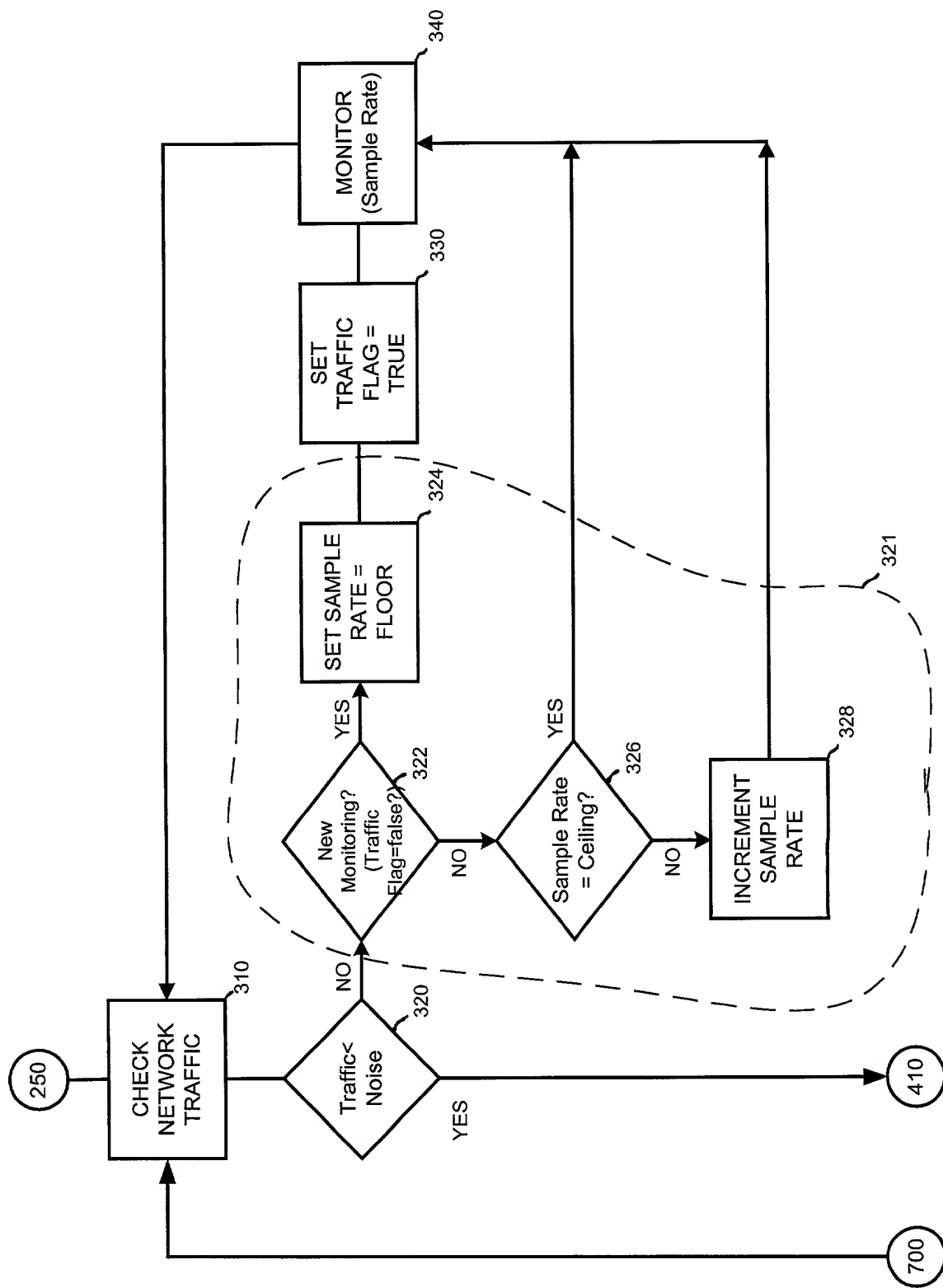


FIG. 12